

Cattle Fattening Experiment Economy of Feeds Used in Stock Feeding

By Faculty of Agricultural College of
University of Missouri. Illustrations
from photographs from the College.

The results of a very extensive cattle feeding experiment have been recently published by the College of Agriculture. Three hundred animals were involved in the investigations, and these were fed in forty separate lots. The work has taken five years. The object of the experiment was to learn the effect of various factors in beef production, especially with animals kept on bluegrass pasture. Does it pay, for example, to add oil-meal to the corn ration of a steer kept on bluegrass? Or what is the difference in economy of gain in a longer or shorter feeding period? In what con-

dition of flesh will steers gain most economically? These are some of the main questions involved, which have been answered by this investigation.

There is very little difference in the amount of grain required to make a pound of flesh, whether the grain be corn alone, or corn mixed with cottonseed or linseed meal. One lot of yearlings fed on corn alone, made as good gains in proportion to the number of pounds of their feed as did those on the supplemented ration. It was found, however, that more of the mixed ration would be eaten, probably because it was more palatable, and therefore, greater actual gains would be made. During the latter part of the feeding period, when all gains require proportionately more feed, it is

highly profitable to feed this more palatable mixed ration. It is found that the gain is more uniform and regular on the supplemented ration than it is on a feed of straight corn. The cattle thus fed are smoother, also, when finished.

The cost of a pound of gain is greater in any case with the supplemented ration, but this difference is not so great toward the latter end of feeding as it is when the cattle are fairly thin. The fact that the cattle will continue to get comparatively large amounts of the supplemented ration clear up till they are finished,



YEARLING CATTLE ON BLUEGRASS TO ILLUSTRATE "FATTENING" CATTLE.

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is sufficient warrant for using it, as they will thus be in better shape.

The experiment emphasizes the need for a supplemented ration during the latter stages of the feeding period, while it proves that such a ration is of doubtful economic value during the early stages.

It was found that a ration made of only one part of the linseed or cottonseed meal to six or seven parts of corn, was more efficient than that made with more of the oil meal.

These results are of great value to the cattle feeder as well as to the world of science. With small changes in feeding systems, considerable difference in results may be accomplished.

Make This Test

How to Tell if Your Hair is Diseased.

Even if you have a luxuriant head of hair you may want to know whether it is in a healthy condition or not. 98 % of the people need a hair tonic.

Pull a hair out of your head; if the bulb at the end of the root is white and shrunken, it proves that the hair is diseased, and requires prompt treatment if its loss would be avoided. If the bulb is pink and full, the hair is healthy.

We want every one whose hair requires treatment to try Rexall "93" Hair Tonic. We promise that it shall not cost anything if it does not give satisfactory results. It is designed to overcome dandruff, relieve scalp irritation, to stimulate the hair roots, tighten the hair already in the head, grow

hair and cure baldness.

It is because of what Rexall "93" Hair Tonic has done and our sincere faith in its goodness that we want you to try it at our risk. Two sizes, 50c. and \$1.00. Sold only at our store—The Rexall Store, H. P. Pitts.

We May Try it Ourselves.

A Kansas newspaper threatened to publish the name of the young man seen kissing his sweetheart good-night at the front gate if he didn't come across with a dollar and a half on subscription. Twenty-seven young fellows slipped in and paid. Fourteen telephoned the subscription man to come around and get it, and the editor received three letters from nearby districts saying they would call in and settle the next time they were in town.

For low prices on flour call at Schooler elevator. 12-15

California and Return AT A VERY LOW RATE.



April 18-19-20 and May 12-13-14. Diverse routes and stopovers at pleasure. Via Seattle or Portland in one direction at slight additional cost.

PORTLAND, SEATTLE and Northwest points and RETURN at special reduced rate May 29-30 and 31; with stopovers and diverse routes.

Please consult our agent about your trip, or write me for complete information.

A. G. BAKER,
Agt. Jasper 10-12

FRANK P. PROSSER,
District Passenger Agent,
Joplin, Mo.

Daily Fishing Rates to White River Resorts.

Seed Corn Tested Free.

The seed testing laboratory at Columbia will test samples of seed corn free of charge to those who apply for the test. Corn will be tested in bulk or individual ear tests made according to the desire of the sender. In case the individual ear test is desired the laboratory will send envelopes, to those requesting them, to contain kernels from as many as 50 ears.

It is believed that a large per cent of the corn this year will be weak in germination. A large part of the last crop was late in maturing and it was all kept green and the cob sappy by the lateness of the season.

Those who avail themselves of this offer should pick out the ears desired to test, number each one carefully, then take at least 10 kernels from each ear, place in an envelop, seal and number to correspond to the number of the ear. In taking kernels from an ear of corn begin at the butt and slowly turn the ear, taking out kernels at intervals around and the full length of the ear. Requests for envelopes should be made at once to, F. H. DEMARRE,

Collaborator in charge.

To Make a Dry Shampoo.

Dry shampoos are all the rage now amongst society ladies and the more prominent stage beauties. Here is a formula much used in the east. It cleans, invigorates and stimulates the hair and scalp while removing surplus oil, dust, dandruff, etc. Obtain of any well-stocked druggist six ounces of pulverized orris root, also obtain two ounces of vilans powder, thoroughly and keep in a tight box or jar. Sprinkle a heaping tablespoonful over and through the hair, distributing with the fingers. Do this at night. Next morning comb and brush thoroughly until all traces of powder is removed. The results are a wonderful, glossy, clean, soft and fluffy head of hair. Men use it daily. Women one to three times a week.

Storm Swept Three States.

Nearly a score of lives were suffered out by a tornado that struck various parts of Kansas, Oklahoma and Missouri last Wednesday afternoon. The storm hit at widely distant joints and was destructive wherever it landed. Joplin and Webb City were torn up somewhat, one life was lost and there were several injuries of a more or less serious nature. It was the first "twister" on record in this part of the country. Northeast Missouri was a heavy sufferer.

Locally the only disturbance was a heavy rain and a remarkable electrical storm, with a little hail. Out southeast of here the hail was terrific and did much damage to fruit, it is thought. The rainfall was the heaviest since last spring.

Road Drags Are Free.

Allan Peterson sent down to Carthage a few days ago to the 365 day road club at that place, asking for a King road drag, which was at once forthcoming, and Allen is going to loan it to the farmers along his mail route who will use it on the road past their places. Many people don't know that the road club at the county seat will supply these drags free on request; however it is a fact. All you have to do is to write to J. D. Clarkson, Carthage, Mo., asking for the drag and it will reach you as soon as it can be supplied.

Reeds Times Quits.

F. A. Forbes discontinued his Reeds Times this week in order to take charge of a paper at Hollister, Mo. He started the Times a little over a year ago.

The FARMERS' AND MERCHANTS' BANK

OF JASPER, MISSOURI

Capital Stock, \$10,000.



Directors

V. H. HENDRICKS, Chm.
THOS. PATTERSON
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Officers

THOS. H. TILLER, Pres.
SAM'L D. CHANDLER, Vice Pres.
N. H. PATTERSON, Cashier.
G. S. WOLF, Asst. Cashier.

We Solicit a Share of Your Business.

Among the Churches

BAPTIST: Sunday school 10:00 a. m. Prayer meeting Tuesday, 7:30 p. m.

METHODIST: Sunday school 9:15 a. m. Prayer meeting Thursday 8:00 p. m. Choir practice Friday 8:00 p. m. Preaching service 11 a. m. on 2d and 4th Sundays, and every Sunday at 8 p. m. Epworth League Sunday 7:00 p. m. Junior League 3:00 p. m. Ladies Aid Thursday afternoon. Everybody cordially invited to services.

The Successful Farmer Will—

- plant a few trees for shade and posts.
- provide good pasture for his hogs.
- raise a few sheep to consume the waste products.
- sow some rape or cowpeas in his corn for the hogs and sheep.
- improve his seed corn and other seeds.
- tile out the wet spots on his farm.
- provide comfort for the home.
- own a manure spreader.
- keep a dairy herd and build a silo.
- feed his corn, not sell it.
- keep a flock of poultry.
- first of all, treat his animals kindly.

Webb Merchants Hard Hit.

A dozen Webb City merchants who cashed checks on the Comet Mining company, and the Hedge-wood mining company last Friday are said to be "stuck" in the aggregate of about \$1,500. All of the checks have been turned down at the local banks, marked "no funds."

Poultry, Eggs &c.



Eggs for Hatching, high grade Barred Plymouth Rock stock, 50c per setting.

Misses A. and L. E. Armstrong, Rfd 3, Jasper. 3 16f

Full blood single comb buff orpington eggs, 3c each. Baby chicks 10c each. A few roosters for sale. 2-16-12. X Mrs. JOHN KETNER.

White Plymouth Rock eggs for hatching from stock scoring 94 to 95. \$1.00 per 15. Mrs. F. W. RUMBLE, Jasper, Mo. 3 16f

Buff Plymouth Rock eggs for setting from splendid stock, 50c per 15. Mrs. C. W. Bedell, Phone 118, ring 255, Jasper. 4 14x

Full blood single comb buff orpington eggs, 50c for 15.

Mrs. CHAS. WHITESEL, 3 blocks south Webb's store

Indian Runner duck eggs for sale 50c for setting of 15 eggs. 4-20x

H. E. IRWIN, Rfd 4, Jasper.

Mo. Pacific Time Table

North Bound.

No. 200.....9:37 a. m.

No. 210.....7:05 p. m.

South Bound

No. 207.....3:20 p. m.

No. 200.....9:15 a. m.

W. H. WOODS, Dentist.

Office Over Dugan & Kaufman's
Phone 37.

EATS WHAT HE LIKES AFTER TAKING FREE SAMPLE

It will be welcome news to dyspeptics to learn of a remedy that, in the opinion of thousands, is an absolute cure for indigestion and all forms of stomach trouble, and, better still, it is guaranteed to do so. The remedy is Dr. Caldwell's Syrup Pepsin.

We all know the value of pure pepsin in indigestion, and add to this some exceptional laxative ingredients and you have a truly wonderful remedy. Mr. T. W. Worthy of Forsythe, Ga., got to the point where he could not even eat or digest vegetables and after many years of seeking he found the cure in Dr. Caldwell's Syrup Pepsin. Mr. Rudy Kasper of Moline, Ill., was in the same bad predicament with his stomach, took Syrup Pepsin and is now cured. Hundreds of others would gladly testify.

It is a guaranteed cure for indigestion, constipation, biliousness, headaches, gas on the stomach and similar complaints. A bottle can be had at any drug store for fifty cents or a dollar, but if you wish to make a test of it first send your address to Dr. Caldwell and he will supply a free sample bottle, sent direct to your address. You will soon admit that you have found something to replace salts, cathartics, breath perfumes and other temporary reliefs. Syrup Pepsin will cure you permanently.

Dr. Caldwell does not feel that the purchase of his remedy ends his obligation. He has specialized in stomach, liver and bowel diseases for over forty years and will be pleased to give the reader any advice on the subject free of charge. All are welcome to write him. Whether for the medical advice or the free sample address him Dr. W. B. Caldwell, 462 Caldwell building, Monticello, Ill.